

H2M PRT Corridor R - 10% Construction Cost Estimate

Computed by
Revised by

AJV

Date 9/27/2023
Date

Checked by
Checked by

<u>Quantity</u>	<u>Unit</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>	<u>Item No.</u>
3157	CY	Class 1B Excavation	\$45.00	\$142,065	0203-0004
10813	LF	Saw Cutting	\$5.00	\$54,065	0203-0006
1,792	SY	Geotextile, Class 4, Type A	\$4.00	\$7,168	0212-0014
431	SY	Plain Cement Concrete Pavement, 4" Depth	\$100.00	\$43,100	0501-0020
7,017	LF	Plain Cement Concrete Curb, 8" Height	\$145.00	\$1,017,465	0630-0041
1,338	LF	Plain Concrete Mountable Curb, Type A	\$45.00	\$60,210	0633-0225
7,596	SY	Cement Concrete Sidewalk	\$155.00	\$1,177,380	0676-0001
960	SF	Detectable Warning Surface	\$50.00	\$48,000	0695-XXXX
1,792	SY	Full Depth Pavement Restoration, 14"	\$100.00	\$179,200	XXXX-XXXX
57	SY	Cement Concrete Stairs	\$400.00	\$22,800	9000-0001
ROADWAY SUBTOTAL (A)				\$2,751,453	
8	EA	Traffic Signal Modernization	\$250,000	\$2,000,000	9000-0100
7	LS	Traffic Signal Re-timing	\$8,500	\$59,500	9000-0101
2	EA	Transit Signal Preemption System	\$10,000.00	\$20,000	9000-0102
11	LS	Pavement Markings	\$5,000.00	\$55,000	XXXX-XXXX
TRAFFIC SUBTOTAL (B)				\$2,134,500	
12	EA	Upgraded Transit Shelter - 15' BRT-style Segment + Ameniti	\$75,000	\$900,000	XXXX-XXXX
8	EA	Standard PRT Shelter - as per Bus Stop Guidelines	\$15,000	\$120,000	XXXX-XXXX
TRANSIT SUBTOTAL (C)				\$1,020,000	
SUBTOTAL OF CONST. QTYS				\$5,905,953	
1	LS	Mobilization (5% of Subtotal)		\$295,298	
1	LS	Maintenance and Protection of Traffic (10% of Subtotal)		\$590,595	
1	LS	Erosion and sedimentation controls (5% of Subtotal)		\$295,298	
1	LS	Engineering/Design (15% of Subtotal)		\$885,893	
1	LS	Construction Inspection (10% of Subtotal)		\$590,595	

1	LS	Contingency (25% of Subtotal)	\$1,476,488
SUBTOTAL OF OTHER COSTS			\$4,134,167
ESTIMATED GRAND TOTAL **			\$10,040,120

**** Estimate does not include the following:**
Public Utility Adjustments and Relocations
Structural and Geotechnical Features
Right-of-Way Acquisition
Drainage Impacts
Permitting
Inflation and Escalation

<u>Loc #</u>	<u>Location</u>	<u>Quantity</u>	<u>Unit</u>	<u>Item#</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>	<u>Total + Escalation</u>
1	HG Br/West/8th	482	CY	1	Class 1B Excavation	\$ 45.00	\$ 21,690.00	\$ 36,873.00
1	HG Br/West/8th	1173	LF	2	Saw Cutting	\$ 5.00	\$ 5,865.00	\$ 9,970.50
1	HG Br/West/8th	200	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 800.00	\$ 1,360.00
1	HG Br/West/8th	200	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ 20,000.00	\$ 34,000.00
1	HG Br/West/8th	778	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 112,810.00	\$ 191,777.00
1	HG Br/West/8th	400	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ 18,000.00	\$ 30,600.00
1	HG Br/West/8th	962	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 149,110.00	\$ 253,487.00
1	HG Br/West/8th	144	SF	8	Detectable Warning Surface	\$ 50.00	\$ 7,200.00	\$ 12,240.00
1	HG Br/West/8th	200	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 20,000.00	\$ 34,000.00
1	HG Br/West/8th	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
1	HG Br/West/8th	1	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ 250,000.00	\$ 425,000.00
1	HG Br/West/8th	1	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ 10,000.00	\$ 17,000.00
1	HG Br/West/8th	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
1	HG Br/West/8th	1	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ 8,500.00	\$ 14,450.00
1	HG Br/West/8th	0	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ -	\$ -
1	HG Br/West/8th	0	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ -	\$ -
2	Amity	200	CY	1	Class 1B Excavation	\$ 45.00	\$ 9,000.00	\$ 15,300.00
2	Amity	587	LF	2	Saw Cutting	\$ 5.00	\$ 2,935.00	\$ 4,989.50
2	Amity	100	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 400.00	\$ 680.00
2	Amity	0	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ -	\$ -
2	Amity	389	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 56,405.00	\$ 95,888.50
2	Amity	0	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ -	\$ -
2	Amity	481	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 74,555.00	\$ 126,743.50
2	Amity	72	SF	8	Detectable Warning Surface	\$ 50.00	\$ 3,600.00	\$ 6,120.00
2	Amity	100	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 10,000.00	\$ 17,000.00
2	Amity	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
2	Amity	1	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ 250,000.00	\$ 425,000.00
2	Amity	1	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ 10,000.00	\$ 17,000.00
2	Amity	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
2	Amity	1	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ 8,500.00	\$ 14,450.00
2	Amity	2	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ 150,000.00	\$ 255,000.00
2	Amity	0	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ -	\$ -
3	Ann	15	CY	1	Class 1B Excavation	\$ 45.00	\$ 675.00	\$ 1,147.50
3	Ann	440	LF	2	Saw Cutting	\$ 5.00	\$ 2,200.00	\$ 3,740.00
3	Ann	75	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 300.00	\$ 510.00
3	Ann	0	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ -	\$ -
3	Ann	292	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 42,340.00	\$ 71,978.00
3	Ann	0	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ -	\$ -
3	Ann	361	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 55,955.00	\$ 95,123.50
3	Ann	54	SF	8	Detectable Warning Surface	\$ 50.00	\$ 2,700.00	\$ 4,590.00
3	Ann	75	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 7,500.00	\$ 12,750.00
3	Ann	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
3	Ann	1	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ 250,000.00	\$ 425,000.00
3	Ann	0	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ -	\$ -
3	Ann	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
3	Ann	1	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ 8,500.00	\$ 14,450.00
3	Ann	0	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ -	\$ -
3	Ann	0	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ -	\$ -
4	McClure	250	CY	1	Class 1B Excavation	\$ 45.00	\$ 11,250.00	\$ 19,125.00
4	McClure	733	LF	2	Saw Cutting	\$ 5.00	\$ 3,665.00	\$ 6,230.50
4	McClure	125	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 500.00	\$ 850.00
4	McClure	106	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ 10,600.00	\$ 18,020.00
4	McClure	487	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 70,615.00	\$ 120,045.50
4	McClure	272	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ 12,240.00	\$ 20,808.00
4	McClure	601	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 93,155.00	\$ 158,363.50
4	McClure	90	SF	8	Detectable Warning Surface	\$ 50.00	\$ 4,500.00	\$ 7,650.00
4	McClure	125	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 12,500.00	\$ 21,250.00
4	McClure	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
4	McClure	1	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ 250,000.00	\$ 425,000.00
4	McClure	0	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ -	\$ -
4	McClure	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
4	McClure	1	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ 8,500.00	\$ 14,450.00
4	McClure	2	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ 150,000.00	\$ 255,000.00
4	McClure	0	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ -	\$ -
5	Library	501	CY	1	Class 1B Excavation	\$ 45.00	\$ 22,545.00	\$ 38,326.50
5	Library	1750	LF	2	Saw Cutting	\$ 5.00	\$ 8,750.00	\$ 14,875.00
5	Library	310	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 1,240.00	\$ 2,108.00
5	Library	0	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ -	\$ -
5	Library	1383	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 200,535.00	\$ 340,909.50
5	Library	0	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ -	\$ -
5	Library	1185	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 183,675.00	\$ 312,247.50
5	Library	80	SF	8	Detectable Warning Surface	\$ 50.00	\$ 4,000.00	\$ 6,800.00

<u>Loc #</u>	<u>Location</u>	<u>Quantity</u>	<u>Unit</u>	<u>Item#</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>	<u>Total + Escalation</u>
5	Library	310	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 31,000.00	\$ 52,700.00
5	Library	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
5	Library	1	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ 250,000.00	\$ 425,000.00
5	Library	0	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ -	\$ -
5	Library	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
5	Library	1	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ 8,500.00	\$ 14,450.00
5	Library	2	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ 150,000.00	\$ 255,000.00
5	Library	0	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ -	\$ -
6	8th/Grant	152	CY	1	Class 1B Excavation	\$ 45.00	\$ 6,840.00	\$ 11,628.00
6	8th/Grant	548	LF	2	Saw Cutting	\$ 5.00	\$ 2,740.00	\$ 4,658.00
6	8th/Grant	105	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 420.00	\$ 714.00
6	8th/Grant	0	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ -	\$ -
6	8th/Grant	459	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 66,555.00	\$ 113,143.50
6	8th/Grant	0	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ -	\$ -
6	8th/Grant	339	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 52,545.00	\$ 89,326.50
6	8th/Grant	60	SF	8	Detectable Warning Surface	\$ 50.00	\$ 3,000.00	\$ 5,100.00
6	8th/Grant	105	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 10,500.00	\$ 17,850.00
6	8th/Grant	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
6	8th/Grant	1	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ 250,000.00	\$ 425,000.00
6	8th/Grant	0	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ -	\$ -
6	8th/Grant	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
6	8th/Grant	1	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ 8,500.00	\$ 14,450.00
6	8th/Grant	0	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ -	\$ -
6	8th/Grant	2	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ 30,000.00	\$ 51,000.00
7	Ravine	196	CY	1	Class 1B Excavation	\$ 45.00	\$ 8,820.00	\$ 14,994.00
7	Ravine	687	LF	2	Saw Cutting	\$ 5.00	\$ 3,435.00	\$ 5,839.50
7	Ravine	143	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 572.00	\$ 972.40
7	Ravine	0	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ -	\$ -
7	Ravine	639	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 92,655.00	\$ 157,513.50
7	Ravine	0	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ -	\$ -
7	Ravine	420	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 65,100.00	\$ 110,670.00
7	Ravine	90	SF	8	Detectable Warning Surface	\$ 50.00	\$ 4,500.00	\$ 7,650.00
7	Ravine	143	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 14,300.00	\$ 24,310.00
7	Ravine	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
7	Ravine	1	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ 250,000.00	\$ 425,000.00
7	Ravine	0	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ -	\$ -
7	Ravine	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
7	Ravine	1	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ 8,500.00	\$ 14,450.00
7	Ravine	0	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ -	\$ -
7	Ravine	2	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ 30,000.00	\$ 51,000.00
8	Kennywood/Hoffman	465	CY	1	Class 1B Excavation	\$ 45.00	\$ 20,925.00	\$ 35,572.50
8	Kennywood/Hoffman	1601	LF	2	Saw Cutting	\$ 5.00	\$ 8,005.00	\$ 13,608.50
8	Kennywood/Hoffman	221	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 884.00	\$ 1,502.80
8	Kennywood/Hoffman	0	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ -	\$ -
8	Kennywood/Hoffman	990	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 143,550.00	\$ 244,035.00
8	Kennywood/Hoffman	0	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ -	\$ -
8	Kennywood/Hoffman	1232	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 190,960.00	\$ 324,632.00
8	Kennywood/Hoffman	130	SF	8	Detectable Warning Surface	\$ 50.00	\$ 6,500.00	\$ 11,050.00
8	Kennywood/Hoffman	221	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 22,100.00	\$ 37,570.00
8	Kennywood/Hoffman	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
8	Kennywood/Hoffman	0	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ -	\$ -
8	Kennywood/Hoffman	0	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ -	\$ -
8	Kennywood/Hoffman	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
8	Kennywood/Hoffman	0	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ -	\$ -
8	Kennywood/Hoffman	4	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ 300,000.00	\$ 510,000.00
8	Kennywood/Hoffman	0	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ -	\$ -
9	2nd/Grant	306	CY	1	Class 1B Excavation	\$ 45.00	\$ 13,770.00	\$ 23,409.00
9	2nd/Grant	744	LF	2	Saw Cutting	\$ 5.00	\$ 3,720.00	\$ 6,324.00
9	2nd/Grant	129	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 516.00	\$ 877.20
9	2nd/Grant	0	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ -	\$ -
9	2nd/Grant	576	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 83,520.00	\$ 141,984.00
9	2nd/Grant	0	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ -	\$ -
9	2nd/Grant	842	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 130,510.00	\$ 221,867.00
9	2nd/Grant	80	SF	8	Detectable Warning Surface	\$ 50.00	\$ 4,000.00	\$ 6,800.00
9	2nd/Grant	129	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 12,900.00	\$ 21,930.00
9	2nd/Grant	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
9	2nd/Grant	0	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ -	\$ -
9	2nd/Grant	0	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ -	\$ -
9	2nd/Grant	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
9	2nd/Grant	0	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ -	\$ -
9	2nd/Grant	2	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ 150,000.00	\$ 255,000.00
9	2nd/Grant	0	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ -	\$ -

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10	2nd/Kennedy	143	CY	1	Class 1B Excavation	\$ 45.00	\$ 6,435.00	\$ 10,939.50
10	2nd/Kennedy	420	LF	2	Saw Cutting	\$ 5.00	\$ 2,100.00	\$ 3,570.00
10	2nd/Kennedy	71	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 284.00	\$ 482.80
10	2nd/Kennedy	0	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ -	\$ -
10	2nd/Kennedy	314	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 45,530.00	\$ 77,401.00
10	2nd/Kennedy	0	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ -	\$ -
10	2nd/Kennedy	374	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 57,970.00	\$ 98,549.00
10	2nd/Kennedy	80	SF	8	Detectable Warning Surface	\$ 50.00	\$ 4,000.00	\$ 6,800.00
10	2nd/Kennedy	71	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 7,100.00	\$ 12,070.00
10	2nd/Kennedy	0	SY	10	Cement Concrete Stairs	\$ 400.00	\$ -	\$ -
10	2nd/Kennedy	0	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ -	\$ -
10	2nd/Kennedy	0	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ -	\$ -
10	2nd/Kennedy	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
10	2nd/Kennedy	0	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ -	\$ -
10	2nd/Kennedy	0	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ -	\$ -
10	2nd/Kennedy	2	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ 30,000.00	\$ 51,000.00
11	Fifth/McK-Duq Br	447	CY	1	Class 1B Excavation	\$ 45.00	\$ 20,115.00	\$ 34,195.50
11	Fifth/McK-Duq Br	2130	LF	2	Saw Cutting	\$ 5.00	\$ 10,650.00	\$ 18,105.00
11	Fifth/McK-Duq Br	313	SY	3	Geotextile, Class 4, Type A	\$ 4.00	\$ 1,252.00	\$ 2,128.40
11	Fifth/McK-Duq Br	125	SY	4	Plain Cement Concrete Pavement, 4" Depth	\$ 100.00	\$ 12,500.00	\$ 21,250.00
11	Fifth/McK-Duq Br	710	LF	5	Plain Cement Concrete Curb, 8" Height	\$ 145.00	\$ 102,950.00	\$ 175,015.00
11	Fifth/McK-Duq Br	666	LF	6	Plain Concrete Mountable Curb, Type A	\$ 45.00	\$ 29,970.00	\$ 50,949.00
11	Fifth/McK-Duq Br	799	SY	7	Cement Concrete Sidewalk	\$ 155.00	\$ 123,845.00	\$ 210,536.50
11	Fifth/McK-Duq Br	80	SF	8	Detectable Warning Surface	\$ 50.00	\$ 4,000.00	\$ 6,800.00
11	Fifth/McK-Duq Br	313	SY	9	Full Depth Pavement Restoration, 14"	\$ 100.00	\$ 31,300.00	\$ 53,210.00
11	Fifth/McK-Duq Br	57	SY	10	Cement Concrete Stairs	\$ 400.00	\$ 22,800.00	\$ 38,760.00
11	Fifth/McK-Duq Br	1	EA	11	Traffic Signal Modernization	\$ 250,000.00	\$ 250,000.00	\$ 425,000.00
11	Fifth/McK-Duq Br	0	EA	12	Transit Signal Preemption System	\$ 10,000.00	\$ -	\$ -
11	Fifth/McK-Duq Br	1	LS	13	Pavement Markings	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
11	Fifth/McK-Duq Br	0	LS	14	Traffic Signal Re-timing	\$ 8,500.00	\$ -	\$ -
11	Fifth/McK-Duq Br	0	EA	15	Upgraded Transit Shelter - 15' BRT-style Segment +	\$ 75,000.00	\$ -	\$ -
11	Fifth/McK-Duq Br	2	EA	16	Standard PRT Shelter - as per Bus Stop Guidelines	\$ 15,000.00	\$ 30,000.00	\$ 51,000.00

Traffic Signal Modernization LS Breakdown

<u>Quantity</u>	<u>Unit</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>	<u>Item No.</u>
4	EA	Traffic Signal Support, 25' Mast Arm (assume 25' each approach)	\$25,000	\$100,000	0951-0125
4	EA	Pedestrian Stub Pole, Type B	\$1,500	\$6,000	0951-4022
4	EA	LED Luminaires	\$950	\$3,800	9000-xxxx
8	EA	Vehicular Signal Head, Three 12" Sections	\$800	\$6,400	0955-3208
8	EA	LED Countdown Pedestrian Signal Head, Type A	\$700	\$5,600	0955-3722
8	EA	Pedestrian Pushbutton	\$450	\$3,600	0956-0500
1	EA	Video Detection System - 4 approaches	\$22,000	\$22,000	0956-0709
1	EA	Controller Assembly	\$30,000	\$30,000	9000-xxxx
1	LS	Adaptive Signal Control System	\$20,000	\$20,000	9000-xxxx
1	EA	Emergency Pre-Emption System	\$15,000	\$15,000	9000-xxxx
1	LS	Signal Related Signs (Structure Mounted, Type B, Type F)	\$2,000	\$2,000	0936-0200, 0931-0001, 0935-0001
4	EA	Junction Box, JB-27	\$550	\$2,200	0954-0302
1	LS	Conduit (2" and 3")	\$5,000	\$5,000	0954-0012, -0013
1	LS	Signal Cable (14 AWG, 3C, 5C, 7C)	\$5,000	\$5,000	0954-0201, -0202, -0203
250	LF	Trench and Backfill, Type I	\$75	\$18,750	0954-0151
1	EA	Electrical Service, Type A	\$3,000	\$3,000	0954-0401

Subtotal \$248,350

Say \$250,000 per intersection

S.O. No. _____
 Project _____
 Item No. 0203-0004
 Description CLASS 1B EXCAVATION

 Computed by _____ Date _____ Checked by _____
 Revised by _____ Date _____ Checked by _____



CLASS 1B EXCAVATION

Route or Location	Begin Station	Width (Feet)	End Station	Width (Feet)	Side	Area (SF)	Depth (in)	Volume (CY)	Comments
HG/Amity/Ann/McClure							40 SF	1082	14" Full depth pavement, 10" Sidewalk, 18" (8" wide) curb, 14" mountable curb (1' wide) and pavement
Library							20	501	
8th/Grant							15	152	
Kennwood/Hoffman							25	465	
Ravine								196	
2nd/Grant								306	
2nd/Kennedy								143	
Lysle								447	
								3292 CY	TOTAL

CAD Information

S.O. No.
Project
Item No.
Description

Computed by
Revised by

0501-0020

PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH

Date

Checked by

Date

Checked by



PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH

Route or Location	Begin Station	Width (Feet)	End Station	Width (Feet)	Side	Area (SF)	Area (SY)	Comments
HG/Amity/Ann/McClure Library							306 SY	Mountable curb
8th/Grant								
Kennwood/Hoffman Ravine								
2nd/Grant								
2nd/Kennedy								
Lysle							125 SY	Mountable curb
							431 SY	TOTAL

CAD Shape Location
0501-0020 PLAIN CEMENT CONCRETE PAVEMENT 4 IN DEPTH



S.O. No. _____
Project _____
Item No. 0630-0041
Description PLAIN CEMENT CONCRETE CURB, 8" HEIGHT

Computed by _____ Date _____ Checked by _____
Revised by _____ Date _____ Checked by _____

Date _____
Date _____

PLAIN CEMENT CONCRETE CURB, 8" HEIGHT

Route or Location	Begin Station	End Station	Side	Length (LF)	Comments
HG/Amity/Ann/McClure				1946.00	
Library				1383	
8th/Grant				459	
Kennwood/Hoffman				990	
Ravine				639	
2nd/Grant				576	
2nd/Kennedy				314	
Lysle				710	
				7017	TOTAL

CAD Shape Location

Michael Baker
INTERNATIONAL

Date _____

Date _____

Route or Location	Begin Station	End Station	Side	Each (SET)	Comments
					TOTAL

S.O. No.

Project

Item No.

Description

-See Following-

EITHER 0695-0002 DETECTABLE WARNING SURFACE, CAST IRON

OR 0695-0003 DETECTABLE WARNING SURFACE, POLYMER CONCRETE

OR 0695-0004 DETECTABLE WARNING SURFACE, POLYMER COMPOSITE

Computed by

Date

Checked by

Date

Revised by

Date

Checked by

Date



DETECTABLE WARNING SURFACE

Route or Location	Begin Station	Width (Feet)	End Station	Width (Feet)	Side	Area (SF)	Comments
HG/Amity/Ann/McClure						360 SF	
Library						80 SF	
8th/Grant						60 SF	
Kennwood/Hoffman						130 SF	
Ravine						90 SF	
2nd/Grant						40 SF	
2nd/Kennedy						160 SF	
Lysle						80 SF	
						640 SF	TOTAL

CAD Shape Location

Michael Baker
INTERNATIONAL

Date _____

Date _____

Route or Location	Begin Station	End Station	Side	Each (SET)	Comments
					TOTAL

Description

Wearing, Binder, Base, Subbase

Revised by

Checked by

Date _____

Checked by

Date _____



Wearing, Binder, Base, Subbase

Route or Location	Begin Station	Width (Feet)	End Station	Width (Feet)	Side	Area (SY)	Volume (CY)	Comments
HG/Amity/Ann/McClure						499	194	2' Restoration width, 1.5" Wearing, 2.5" Binder, 4" Base, 6" Subbase
Library						310	120	
8th/Grant						105	41	
Kennwood/Hoffman						221	86	
Ravine						143	56	
2nd/Grant						129	50	
2nd/Kennedy						71	28	
Lysle						313	122	
						1790 SY	696 CY	TOTAL

CAD Information

S.O. No. _____
 Project _____
 Item No. 0212-0014
 Description GEOTEXTILE, CLASS 4, TYPE A

 Computed by _____ Date _____ Checked by _____
 Revised by _____ Date _____ Checked by _____



GEOTEXTILE, CLASS 4, TYPE A

Route or Location	Begin Station	Width (Feet)	End Station	Width (Feet)	Side	Area (SF)	Area (SY)	Comments
HG/Amity/Ann/McClure Library								Same area as full depth
8th/Grant								
Kennwood/Hoffman Ravine								
2nd/Grant								
2nd/Kennedy Lysle								
							1790 SY	TOTAL

CAD Shape Location